

JAN 29 2007



5775 Morehouse Drive
San Diego, CA 92121
Fax: (858) 658-2502

Facsimile Transmittal

DATE: January 26, 2007

TO: USPTO

BEST AVAILABLE COPY

FAX NUMBER: (571) 273-8300

FROM: Charles D. Brown, Reg. No. 28,285

RE: U.S. Patent Application Serial No. 10/003,729
Attorney Docket No. 060862

Number of Pages Sent: 10 (including this transmittal cover sheet)

MESSAGE:

Please see the attached.

Please contact Barbara Agnihotri at (858) 658-3041 if all pages do not transmit.

Special Instructions: THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL TO WHOM IT IS ADDRESSED AND CONTAINS INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately. Thank you.

ou!

RECEIVED
CENTRAL FAX CENTER

JAN 29 2007

PTO/SB/81 (11-96)
U.S. Department of Commerce
Patent and Trademark Office

Please type a plus sign (+) inside this box

POWER OF ATTORNEY
OR
AUTHORIZATION OF AGENT,
NOT ACCOMPANYING
APPLICATION

Application Number	10/003,729
Filing Date	November 14, 2001
First Named Inventor	Beomsup Kim
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	060862

I hereby appoint:

 Practitioners at Customer Number 23696

OR

 Practitioner(s) named below:

As my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City			
Country	State	ZIP	
Telephone			

I am the:

 Applicant. Assignee of record of the entire interest
Certificate under 37 CFR 3.73(b) is enclosed

SIGNATURE of Applicant or Assignee of Record

Name	Charles D. Brown, Reg. No. 28,285, VP, Division Patent Counsel, Qualcomm Incorporated
Signature	
Date	January 25, 2007

QUALCOMM Incorporated
5775 Morehouse Drive
San Diego, California 92121-1714
Telephone: (858) 658-5787
Facsimile: (858) 658-2502

(POA_NOTAPPL.VER1.4-02/04/04)

RECEIVED
CENTRAL FAX CENTER

Jan-30-2007 04:35am From-8588456880

+ JAN 29 2007 T-209 P.003/010 F-802

PTO/SB/96 (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(d)

Applicant/Patent Owner: Kim

Application No./Patent No.: 10/003,729 Filed/Issue Date: 11/14/2001

Entitled: VOLTAGE CONTROLLED OSCILLATOR

QUALCOMM INCORPORATED, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is 100% in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Beomsup Kim To: Berkana Wireless Inc.
The document was recorded in the United States Patent and Trademark Office at Reel 012643, Frame 0814, or for which a copy thereof is attached.

2. From: Berkana Wireless Inc. To: Qualcomm Incorporated (See additional documents)
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

3. From: To:
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.

Additional document in the chain of title is enclosed. (Not yet recorded)

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

January 25, 2007

DATE

858-651-6731

TELEPHONE NUMBER

Charles D. Brown, Reg. No. 28,285

NAME

Charles D. Brown

SIGNATURE

VP, Division Patent Counsel, Qualcomm Incorporated

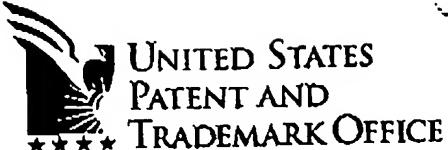
TITLE

This collection of information is required by 37 CFR 3.73(d). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent in the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED
CENTRAL FAX CENTER

JAN 29 2007



MAY 01, 2002

PTAS

Commissioner for Trademarks
Arlington, VA 22202-3513
www.uspto.gov

VAN PELT & YI LLP
LEE VAN PELT
4906 EL CAMINO REAL
SUITE 205
LOS ALTOS, CA 94022



102008357A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

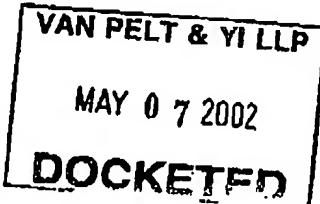
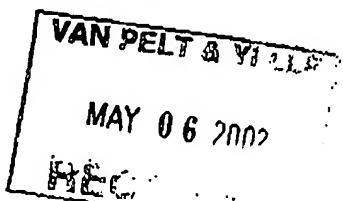
RECORDATION DATE: 02/20/2002

REEL/FRAME: 012643/0814
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KIM, BEOMSUP

DOC DATE: 01/15/2002

ASSIGNEE:
BERKANA WIRELESS, INC.
2005 HAMILTON AVENUE, SUITE 200
SAN JOSE, CALIFORNIA 95125SERIAL NUMBER: 10003729
PATENT NUMBER:FILING DATE: 11/14/2001
ISSUE DATE:LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSOC M

03-11-2002

MEET



102008357

To: Honorable Commissioner of Pat.

Please record the attached original document(s) or copy thereof.

Name of conveying party(ies)

a) Beomsup Kim

2. Name and address of receiving party(ies):

a) Name: Berkana Wireless, Inc.
b) Address: 2005 Hamilton Avenue, Suite 200
San Jose, CA 95125

3. Nature of conveyance

Assignment
 Security Agreement
 Other _____

Merger
 Change of Name
 License Agreement

Execution Date: January 15, 2002

4. Application Number(s) or Patent Number(s): 10/003,729

The title of the (new) application is:

VOLTAGE CONTROLLED OSCILLATOR

5. Please send all correspondence concerning this (these) documents to:

Customer No. 21912
 Van Pelt & Yi LLP
 4906 El Camino Real, Suite 205
 Los Altos, CA 94022
 (650) 903-3500 (PH)
 (650) 903-3501 (FX)

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

Enclosed
 Any deficiencies are hereby authorized to be charged to Deposit Account No. 50-0685 (Order No. BEKAP002).

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: January 25, 2002


 Lee Van Pelt
 Registration No. 38,352

Attorney Docket No. BEKAP002

(Revised 01/05)

 03/11/2002 LUINELLER 00000033 10003729
 01 FC:581 40.00 0P

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

VOLTAGE CONTROLLED OSCILLATOR

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on DATE, and which bears the Application No. 10/003,729.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to BERKANA WIRELESS, INC. a Delaware corporation having a place of business at 2005 Hamilton Avenue, Suite 200, San Jose, CA 95125 (hereinafter referred to as ("ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: Beomsup Kim Date: 11/15/02
Typed Name: Beomsup Kim

Alty Dkt. No. BEKAP002

Delaware

PAGE 1

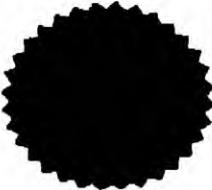
The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"BERKANA WIRELESS INC.", A DELAWARE CORPORATION, WITH AND INTO "QUALCOMM INCORPORATED" UNDER THE NAME OF "QUALCOMM INCORPORATED", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRD DAY OF JANUARY, A.D. 2006, AT 5:21 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2271160 8100M
060003846



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State
AUTHENTICATION: 4432025

DATE: 01-09-06

State of Delaware
Secretary of State
Division of Corporations
Delivered 05:21 PM 01/03/2006
FILED 05:21 PM 01/03/2006
SRV 060009846 - 2271160 FILE

CERTIFICATE OF OWNERSHIP AND MERGER

MERGING

Berkana Wireless Inc.
(a Delaware corporation)

into

QUALCOMM Incorporated
(a Delaware corporation)

**(PURSUANT TO SECTION 253 OF THE
DELAWARE GENERAL CORPORATION LAW)**

QUALCOMM Incorporated, a corporation organized and existing under the laws of the State of Delaware (the "Company"), does hereby certify:

1. The Company is the owner of one hundred percent (100%) of the outstanding shares of each class of capital stock of Berkana Wireless Inc., a Delaware corporation ("Subsidiary").

2. The Company, by the following resolutions adopted on December 5, 2005 by the Board of Directors of the Company, hereby merges Subsidiary into the Company:

"WHEREAS, following the completion of its acquisition of Subsidiary, the Company will be the legal and beneficial owner of one hundred percent (100%) of the outstanding shares of each class of stock of Subsidiary.

WHEREAS, it is deemed in the best interests of the Company and its stockholders to consolidate its entity organizations by merging Subsidiary with and into the Company (the "Merger") and to assume all of the Subsidiary's liabilities and obligations.

WHEREAS, Section 253 of the Delaware General Corporation Law provides that a 100% wholly owned subsidiary corporation may be merged with and into its parent corporation upon the adoption of an appropriate resolution by the Board of Directors of the parent corporation and the filing of a Certificate of Ownership and Merger with the appropriate Secretary of State offices.

RESOLVED, that the Merger is approved and that the Company shall merge the wholly-owned Subsidiary into the Company and the Company shall assume all obligations of the Subsidiary pursuant to Section 253 of the Delaware General Corporation Law.

RESOLVED FURTHER, that the Certificate of Incorporation and Bylaws of the Company shall not be amended and shall remain the Certificate of Incorporation and Bylaws of the surviving corporation.

GT14471830
336110-94

RESOLVED FURTHER, that the officers of the Company, and any of them, are each hereby authorized and directed to execute all documents, agreements and other instruments and to take such actions and perform such acts as they may deem necessary or advisable to carry out and perform the purposes of these resolutions.

RESOLVED FURTHER, that the Company shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the State of Delaware and by the applicable laws of any other jurisdiction and will cause to be performed all necessary acts within Delaware and in any other applicable jurisdiction necessary and appropriate to effect the Merger."

3. This Certificate of Ownership and Merger shall be effective on January 3, 2006.

(Remainder of page intentionally left blank.)

036471939
336116-94

Jan-30-2007 04:37am From-8588456880
01/09/2006 11:20 FAX 3028652480

T-209 P.010/010 F-802

002/002

01/09/2008 08:33 FAX 3028652480

IN WITNESS WHEREOF, the Company has caused this Certificate of Ownership and
Mortgage to be signed by its Executive Vice President and Chief Financial Officer.

Dated: January 3, 2006

QUALCOMM INCORPORATED,
a Delaware corporation


William E. Katz
Executive Vice President and
Chief Financial Officer

BEST AVAILABLE COPY

076471009
3028652480

01/09/2008 MON 08:18 (TX/RX NO 5830) 005

PAGE 10/10 * RCVD AT 1/29/2007 7:35:16 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-3/19 * DNIS:2738300 * CSID:+* DURATION (mm:ss):02:48

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.